

A Municipal Charter School for Key Biscayne

VISIONING



Fielding Nair International

The 20 Modalities of Learning

1. Independent study
2. Peer tutoring
3. Team collaboration
4. One-on-one learning with teacher
5. Lecture format – teacher directed
6. Project-based learning
7. Technology with mobile computers
8. Distance learning
9. Internet Based Research
10. Student Presentation
11. Performance-based learning
12. Seminar-style instruction
13. Inter-disciplinary learning
14. Naturalist learning
15. Social/emotional/spiritual learning
16. Art based learning
17. Storytelling
18. Design based learning
19. Team teaching/learning
20. Play based learning

AGENDA

1. The Changing World – Video
2. Brief Intro to A Charter School
3. BLINK!
4. What is a 21st Century School for Key Biscayne?
5. School and Community Integration
6. Case Studies
7. Your 21st Century School Assessment
8. Q&A

What is a charter school?

- **An independent public school**
- **Accountable to a sponsor and community**
- **Operated by its own board**
- **With a new and different mission and purpose**

Chartering is not:

- **A type of school**
- **Completely exempt from regulations**
- **Subject to district authority**
- **Meant to destroy the public system**
- **Run by an outside entity**

Why charter?

- **More independence**
- **Create a local school for students and families**
- **Give teachers more flexibility and accountability**
- **Create more local control of governance, hiring, etc.**
- **Get a better handle on finances-control and incentives**
- **Better use of facilities**

Frequently asked questions

- **Can we have our own sports?** Yes, and you can sign pairing agreements as well.
- **Will our graduates get into college?** Yes, you will meet the same or higher standards that all other high schools meet.
- **Charter schools are often small. How small is a small school?**
That depends entirely on the school program. Some say under 250, others say 500.

The Systemic Scale of Progress

Traditional Teacher
Centered Mass
Production Model

Progressive
Student-Centered
Personalized Model

0

EDUCATION

10

0

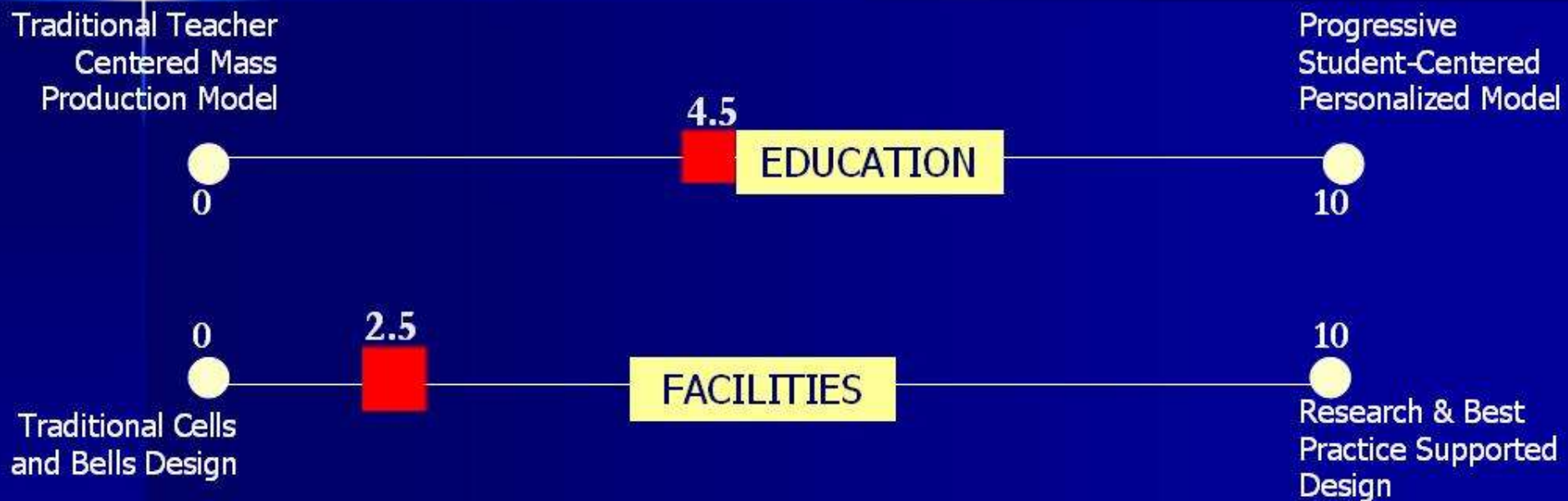
FACILITIES

10

Traditional Cells
and Bells Design

Research & Best
Practice Supported
Design

Systemic Scale of Progress - USA



door to
outdoors

teacher
desk

25 typical desks (area = 0.12 m²/desk)

Storage
(2.0 m²)

teaching
wall

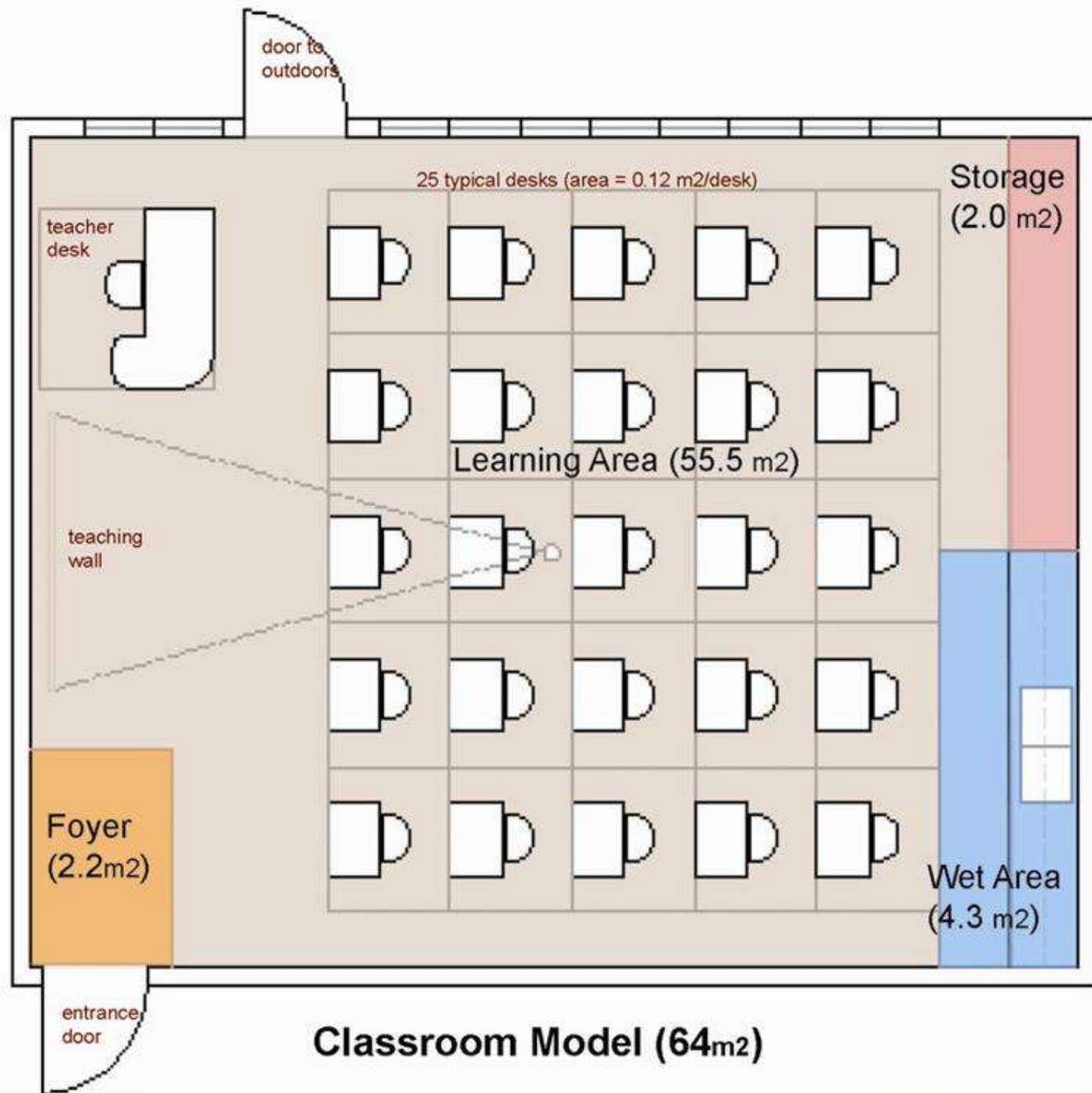
Learning Area (55.5 m²)

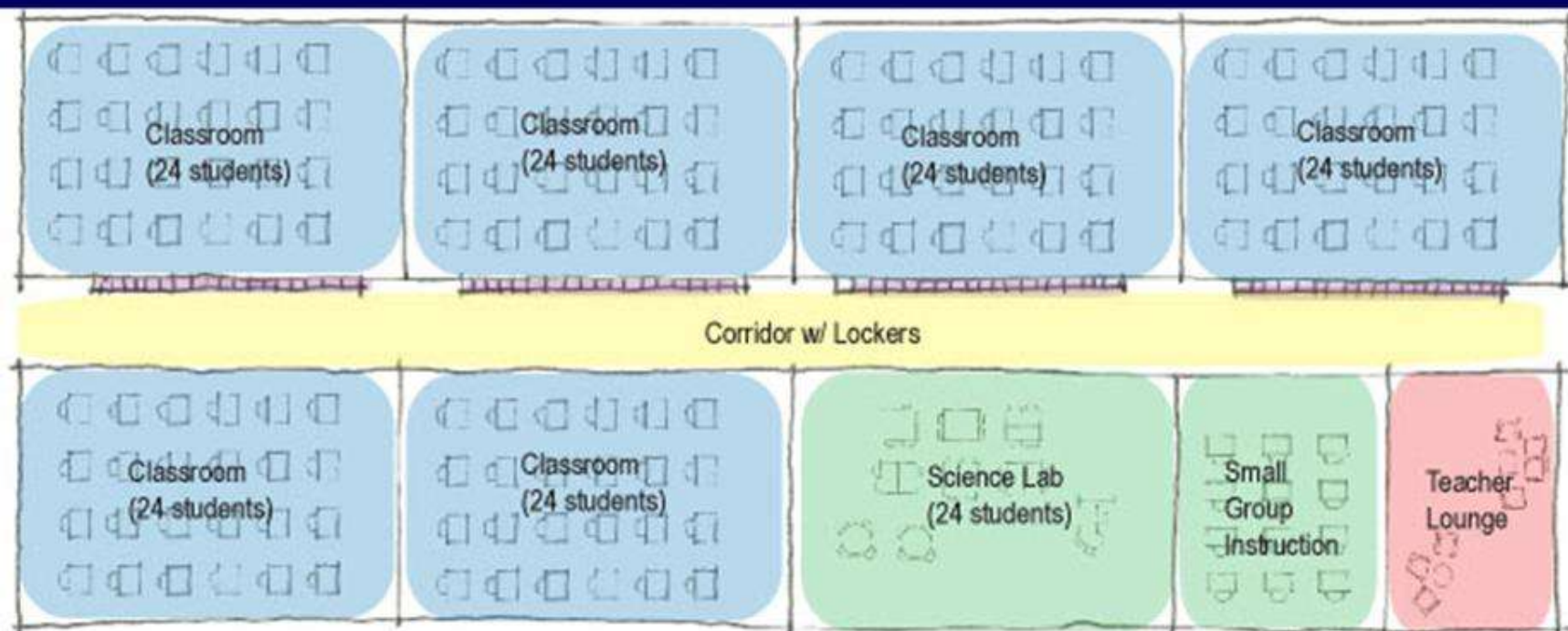
Foyer
(2.2m²)

Wet Area
(4.3 m²)

entrance
door

Classroom Model (64m²)





Traditional Classroom Plan

DESIGNS FOR SMALLER LEARNING COMMUNITIES







1. Independent study
2. Peer tutoring
3. Team collaboration
4. Project-based learning
5. Technology with mobile computers
6. Distance learning

7. Internet-Based Research
8. Student Presentation
9. Performance-based learning
10. Inter-disciplinary learning
11. Social/emotional/spiritual learning
12. Team teaching/learning



BIG QUESTION

What is Education?

BIG QUESTION

What is 21st Century Education?

20th Century

Learning

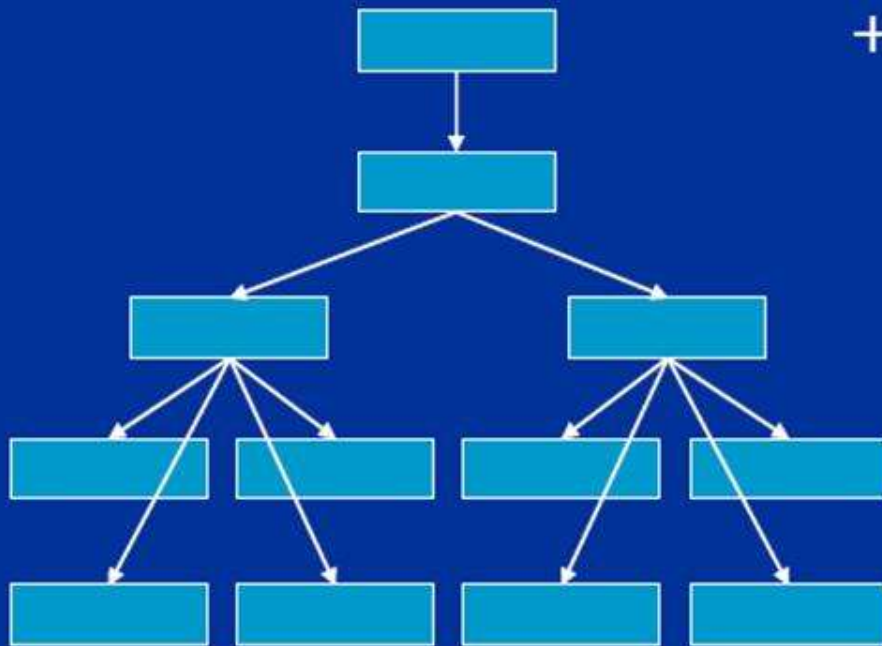
21st Century

Understanding
Applying
Creating
Contributing

Bureaucratic/Hierarchical model

+ Information disseminated
from central location
e.g. textbook, television network

+ Supports uni-directional
transfer of knowledge



Network Model

+ search and connect with
information, resources, friends

+ just-in-time learning
+ democratic
+ multi-directional



Network Model

Rosentiel School of Marine and
Atmospheric Science

Univ of Miami

Seaquarium

National Hurricane Center

Golf at Crandon Park

Tennis Center

Crandon Park Beach

Nature Centre

Gardens of Key Biscayne

Pansky Dental Institute

Community Library

Yacht Club

Bill Baggs National Park

Village Green

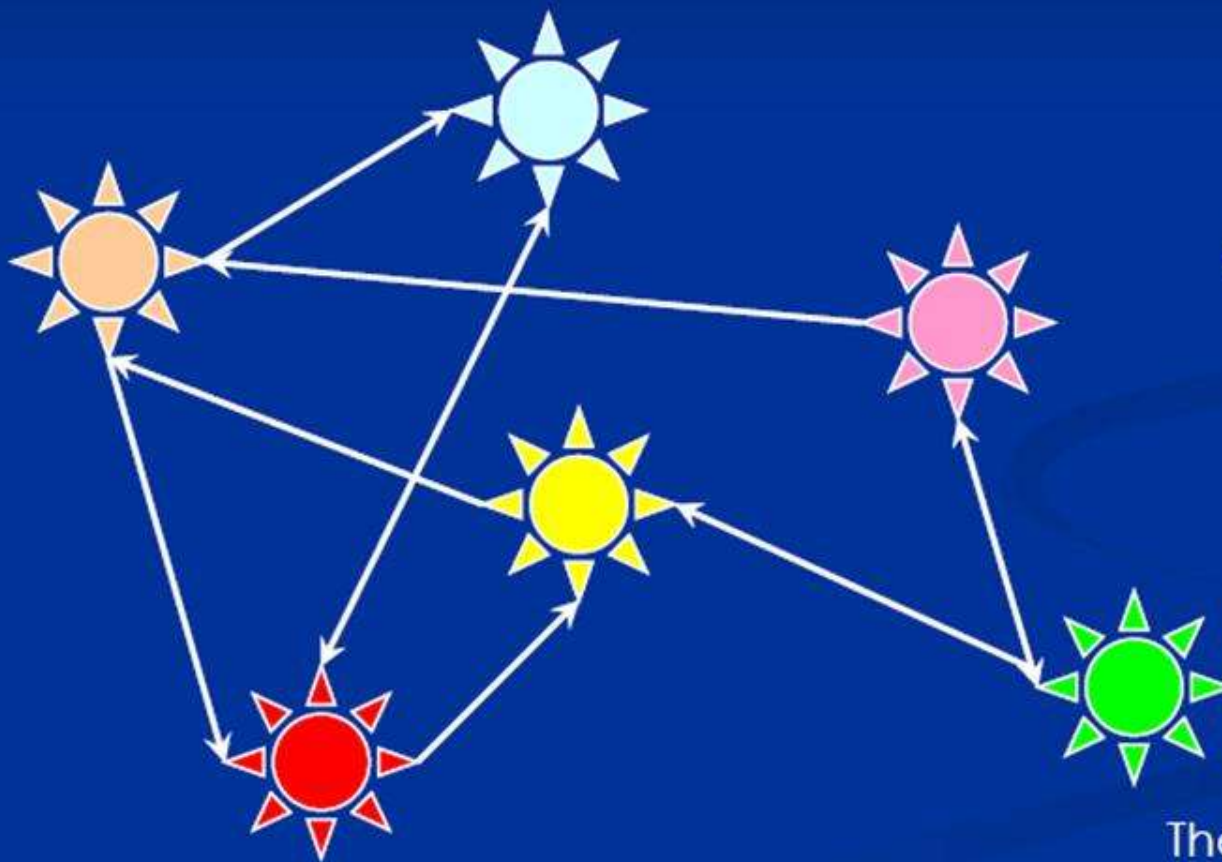
Community Center

Key Biscayne K-8 Center

Senior Citizens

The People of Key Biscayne

KEY BISCAIYNE



The Learning Revolution

*All students will learn the same thing
at the same time in the same place
in the same way from the same
teacher.*



*Each student will receive a
personalized education, learning
different things at different times, in
different places in different ways
from different people*



"TALENT IS OVERRATED"

The New York Times

Left Brain is Supreme – Or is It?

According to latest research, IQ accounts for what portion of career success?

50% -- 60%

35% -- 45%

23% -- 29%

15% -- 20%

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The Answer: 4% -- 10%

Revenge of the Artists?

*Harvard's MBA program admits
10% of applicants*

*Guess what percent of
applicants are being admitted by
UCLA's MFA Program*?*

* Master of Fine Arts. <http://www.art.ucla.edu/graduate/mfa.html>

Revenge of the Artists?

*Harvard's MBA program admits
10% of applicants*

*Guess what percent of
applicants are being admitted by
UCLA's MFA Program?*

TRY 3%

***Today, the MFA is the
new MBA***

Medical Profession Changing

40% of students admitted to University of Pennsylvania Medical School came from non-science backgrounds

“They have got to be happy and have a life outside of medicine. We need whole people”
Gail Morrison, U Penn

Newsweek Story – Sept. 2007

Communicating

- Being literate
- Being numerate
- Being information literate
- Being arts literate

Personal Futures

- Building and maintaining identity and relationships
- Maintaining well being
- Being ethical
- Creating and pursuing goals

Thinking

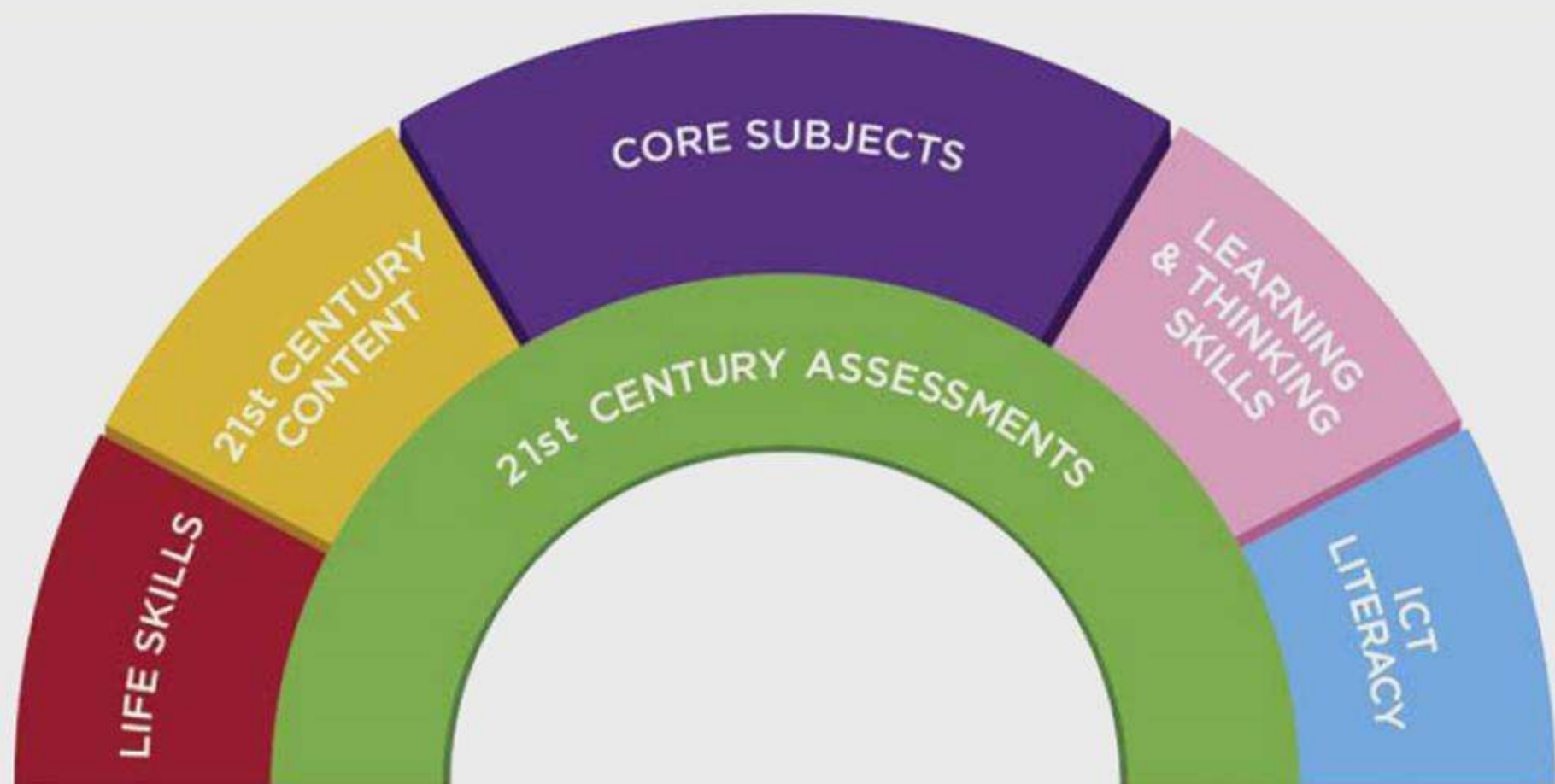
- Inquiry
- Reflective thinking

World Futures

- Investigating the natural and constructed world
- Understanding systems
- Designing and evaluating technological solutions
- Creating sustainable futures

Social Responsibility

- Building social capital
- Valuing diversity
- Acting democratically
- Understanding the past and creating preferred futures



TOMORROW'S SCHOOL IS NOT TIME AND SPACE BOUND

Learning = Anytime/
Anywhere / Anyone





Tara Parker-Pope on Health

October 17, 2008, 12:09 PM

A 'Dose of Nature' for Attention Problems



Can nature walks help kids with A.D.H.D.? (Chris Cummins for The New York Times)



Key Biscayne: School & Community Integration

Fielding Nair International
October 2008



Fielding Nair international

Why a new school? What do you hope to accomplish? What are your aspirations?

A school that promotes 21st century best practices

Quality learning experiences that prepare the students for college & beyond

Creating community connections:

Learning from the community
Teaching the community
Becoming a stronger community that supports

life-long learning



Intersecting community & schools

School as Community Center

Community as Classroom

School-based Enterprise

SCHOOL AS A COMMUNITY CENTER

- Offering adult education classes
- Sharing facilities with the community:
dance studio, gym, pool, learning studios
- School is open after-hours for events, lectures, meetings
- Students partner with local agencies or businesses and offer supplemental services (i.e. Tiny tots gymnastics classes; Health and wellness seminars)



- Recreational Activities
- Internet access
- Community events
- Day care
- Summer Camp
- Facilities for community and student group

Case Study:
West Des Moines
Community Schools

COMMUNITY AS CLASSROOM



Case Study

New York City Academy of Urban Planning

<http://www.aupnyc.org>

"Our partner organizations allow our students to have classes in Prospect Park, attend conferences at academic institutions, meet professionals in Midtown, hear architects speak in Downtown Brooklyn, and **assist in development of our own neighborhood here in Bushwick.**"



COMMUNITY AS CLASSROOM

Case Study: Students helping their community by partnering with a local college lab and testing the town's homes for radon gas



"Work of excellence is transformational. Once a student sees that he or she is capable of excellence, that student is never quite the same. There is a new self image, a new notion of possibilities.

There is an appetite for excellence."

Vista Murrieta High School, Murrieta, CA
http://www.nctimes.com/articles/2007/05/30/news/californian/4_01_445_29_07.prt

An Ethic of Excellence: Building a Culture of Craftsmanship
with Students
by Ron Berger
Heinemann (2003)
<http://books.heinemann.com/products/E00596.aspx>

SCHOOL-BASED ENTERPRISE

Student Business Ideas

STUDENT INITIATIVE

- Graphic design services
- Laptop/computer service
- Bike and skateboard repair shop
- Selling iPods or PS3 games
- Holiday related business



LOCAL BUSINESS PARTNERSHIPS

- Local business funds a satellite kiosk – such as:
- Bank services
- Bakery
- Laundry and dry cleaning services
- Catering business
- DVD rentals

SCHOOL-BASED ENTERPRISE

Case Study:

Freedom High School in Prince William County, Virginia
And Apple Federal Credit Union



STUDENT RUN BANK – DEPOSITS,
WITHDRAWALS, CUSTOMER SERVICE



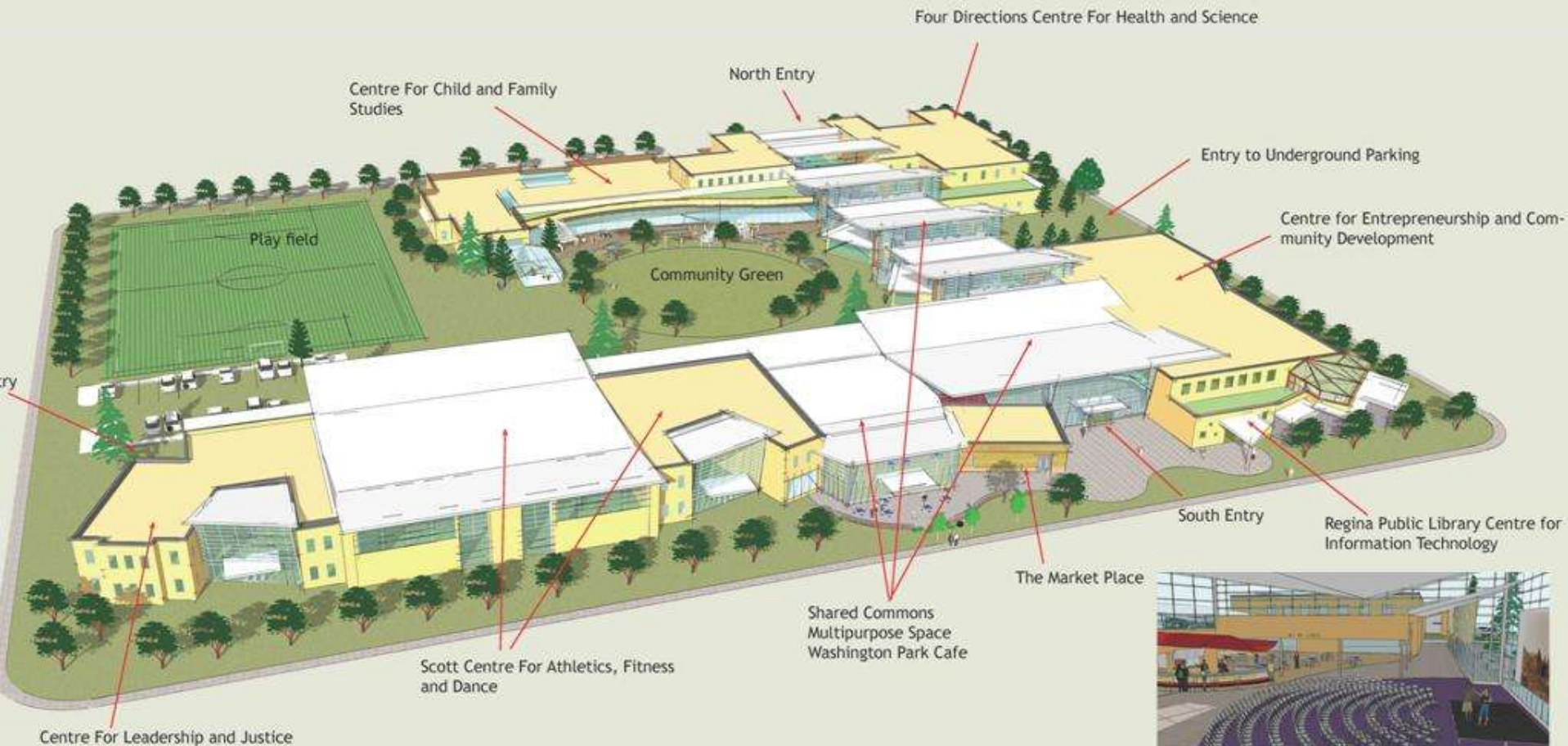
Student Business RADON TESTING

*With the help of four other students, Riccobono launched **Ultraviolet Environmental Services**, a nonprofit company that performs in-home air and water tests, using \$80 in startup money.*

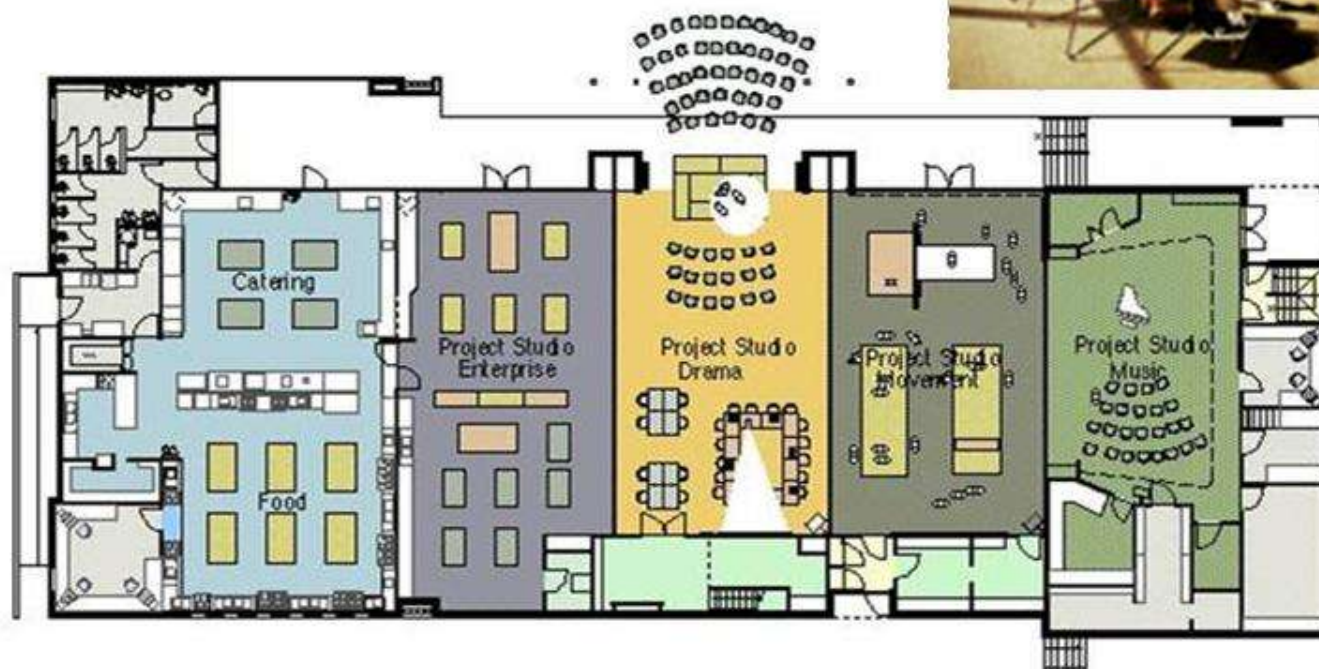
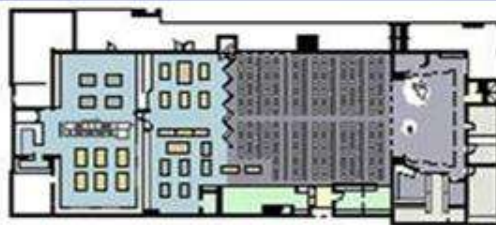
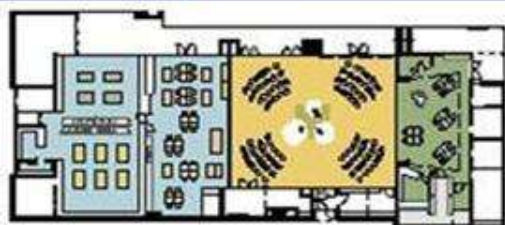
<http://www.wickedlocal.com/needham/news/lifestyle/health/x481184673>

Case Studies

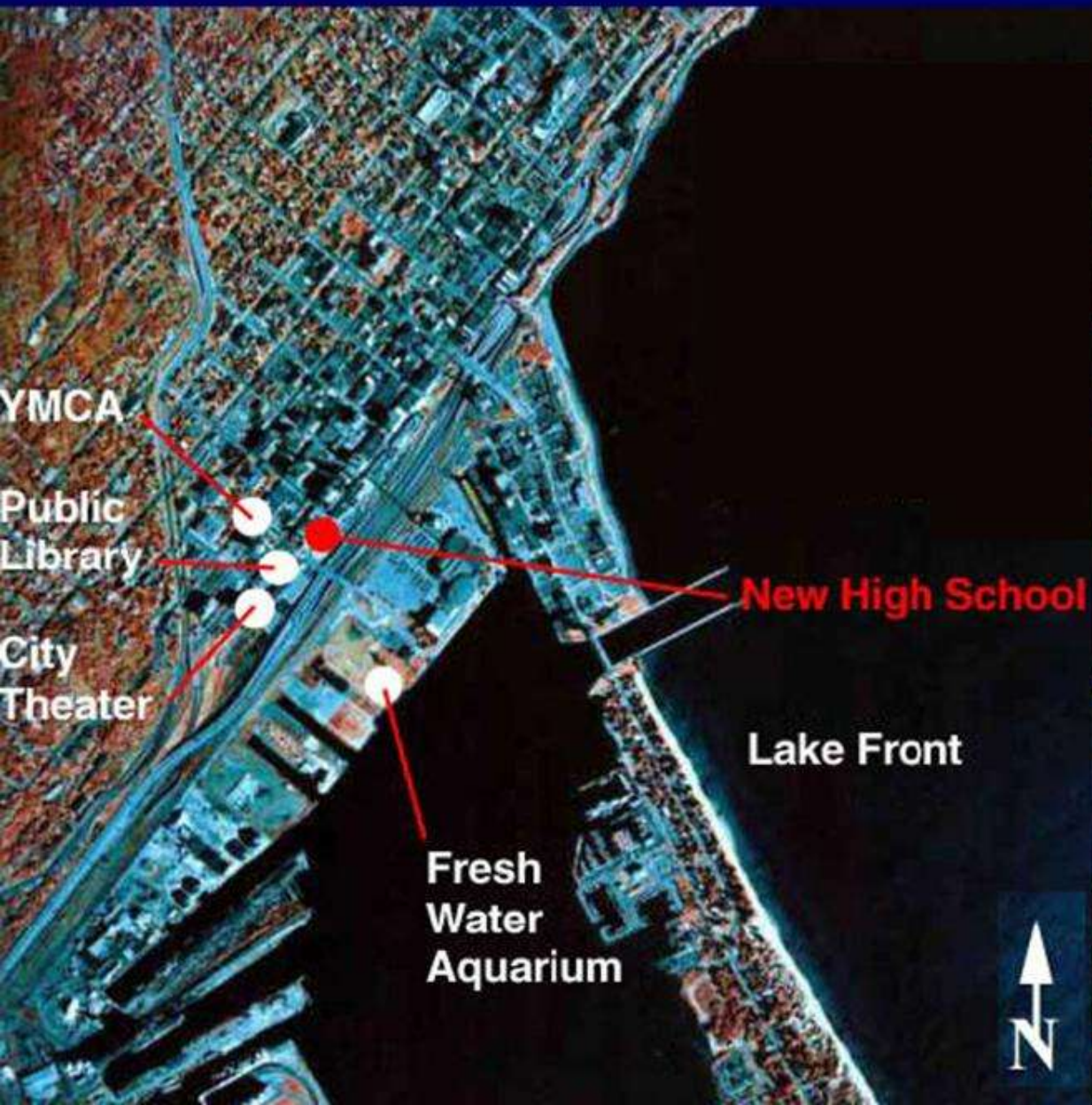
Case Study: North Central Shared Facility, Regina, Saskatchewan, Canada



Case Study: Reece High School Tasmania, Australia



Case Study: Harbor City, Duluth, MN



Case Study: School of Environmental Studies Apple Valley, MN



Case Study: New Country Day School Henderson, MN

